LVW-5045GDL+ HDD+DVD Recorder Specification (European model)

Recording media
Hard Disk Drive (Built-in 160GB)
DVD+R / DVD+RW / DVD+R DL disc
DVD-R / DVD-RW disc
CD-R / CD-RW disc

Playable media
Hard Disk Drive (Built-in 160GB)
DVD+R / DVD+RW / DVD+R DL disc
DVD-R / DVD-RW disc
CD-R / CD-RW disc
DVD-Video disc
SVCD / VCD disc
DivX / MPEG4 video disc
Audio CD
MP3 / WMA / WAV music disc
JPEG/BMP photo disc

Recording mode:

Media	Mode	Rec. time	PAL
HDD (160GB)	**HQ**	33 hours	720x576
	SP	66 hours	720x576
	LP	99 hours	352x576
	EP	132 hours	352x576
	SLP	198 hours	352x288
	Just Fit	Variable	-----
DVD (4.7GB)	**HQ**	1 hour	720x576
	SP	2 hours	720x576
	LP	3 hours	352x576
	EP	4 hours	352x576
	SLP	6 hours	352x288
	Just Fit	Variable	-----
CD (700MB)	**SVCD**	34 mins	480x576
	VCD	68 mins	352x288
	CD-DA	70 mins	-----

TV system
Playback / recording: PAL
Internal tuner: PAL-B/G, PAL-I/I , or SECAM-L
TV sound: NICAM

Video recording format
MPEG 2 : HQ/SP/LP/EP mode , SVCD
MPEG 1 : SLP mode , VCD

Video performance
DA Converter: 10-bit / 27MHZ

Audio recording format
DVD+VR (HQ/SP/LP/EP/SLP mode) : Dolby Digital 2-channel
SVCD/VCD : MPEG1 Layer2
CD-DA : PCM

Audio performance
DA Converter: 24-bit / 96KHZ

Audio playback format
MP3
WMA
WAV
LPCM
Dolby Digital 2-channel
Dolby Digital 5.1 channel (digital out only)
DTS (digital out only)

Front connections
Video in: Cinch (yellow)
Audio L/R in: Cinch (white/red)
DV in: IEEE -1394 4-pin

Rear connections
Video out: Cinch (yellow)
Audio L/R out: Cinch (white/red)
SCART out: CVBS/S-Video/RGB out
SCART in: CVBS/RGB in, Decoder
Component video out: Cinch (green/blue/red) (Y/Pb/Pr , 576p out)
Digital audio out: Coaxial / Optical
RF in: Coaxial
RF out: Coaxial

Functionality
Easy Guider 2™ on-screen menu
Contents (File browser)
2-Way copy (HDD to DVD , DVD to HDD)
Channel editing (Move up/down, Insert, Swap, Rename , Channel Turn on/off)
Disc tools(Erase / Finalize / Clean up HDD / Defragment HDD)
DVD title browsing with thumbnails
DV control

Recording features
One touch record (OTR) (30-minute interval , 30-360 mins)
*Variable by recording mode
Automatic / Manual chapter marker insertion
Time Shift (Pause Live TV)
Record and Play (Playback recording content)
Just fit (auto adjust recording quality to fit disc/HDD space)

Timer recording features
Number of programs: 16 programs
Record control: PDC / VPS
Timer programming: Manual / ShowView (VIDEO Plus+)

Video editing features
Title editing(Rename, Erase, Protect, Overwrite, Split, Merge)
Chapter editing (Insert, Remove, Hide / Un-hide chapter)
Change Thumbnail

DVD playback
Next / Previous (Chapter)
Pause / Step forward
Fast forward / Reverse (2x , 4x , 8x , 16x)
Repeat (repeat one / off)
Zoom
Slow motion
Search (Chapter or Title / Time)
A-B repeat
Subtitle / Audio / Angle

VCD/SVCD playback
Pause / Step forward
Fast forward / Reverse
Slow motion
Search (track / time)
A-B repeat

DivX / MPEG4 video playback
Next / Previous
Fast forward / Reverse
Repeat
Subtitle support (English)

VOB/MPG/DAT playback
Pause / Step forward
Fast forward / Reverse (2x , 4x , 8x , 16x)
Repeat (repeat one / repeat all / shuffle mode / repeat off)
Zoom
Search (File / Time)
A-B repeat
Slow motion (1/2x , 1/4x , -1/2x , -1/4x) ***VOB file only**

Audio CD playback
Pause
Next / Previous (Track)
Fast forward / Reverse (2x , 4x , 8x , 16x)
Repeat (repeat one / repeat all / shuffle mode / repeat off)
Search (Track / Time)
A-B repeat

MP3/WMA/WAV playback
Pause
Next / Previous
Fast forward / Reverse
Repeat (repeat one / repeat all / shuffle mode / repeat off)
Search (File / Time)
A-B repeat

JPEG/BMP playback
Next / Previous
Slide show
Repeat (repeat all / shuffle mode / repeat off)
File search
Picture control (Zoom / Rotate / Fit Screen / Full size)
Album and picture selection

OSD language
Standard : English, German, French, Italian, Spanish, Dutch. Traditional Chinese, Simplified Chinese, Danish, Polish, Swedish and Finnish.

General
Power Supply: AC 100-240V 50/60Hz
Power Consumption: Operation :Approx. 50W
Operating Temperature: +5°C to +40°C (+36°F to +104°F)
Operating Humidity: 5% to 80% RH
Dimensions (W / H / D): 430 x 66 x 315 mm
Net Weight: Approx. 4.5 kg

Notes:
1. The specifications and design of this product are subject to change(s) without notice.
2. It is not possible to copy a tape or disc with copy-protected signal.
3. ShowView and VIDEO Plus+ are registered trademarks of Gemstar Development Corporation.
4. Easy Guider2™ is a registered trademark of Lite-On IT Corp.
5. Dolby Digital and the double-D symbol are trademarks of Dolby Laboratories Licensing, Inc.
6. DTS is a trademark of Digital Theater Systems, Inc.
7. DivX is a registered trademark of DivX, Inc..

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